

Title (en)
DIRECT EXHAUST GAS RECIRCULATION SYSTEM

Title (de)
DIREKTES ABGASRÜCKFÜHRUNGSSYSTEM

Title (fr)
SYSTÈME DE RECIRCULATION DE GAZ D'ÉCHAPPEMENT DIRECT

Publication
EP 3039279 B1 20200408 (EN)

Application
EP 14840876 A 20140826

Priority
• US 201361870203 P 20130826
• CA 2014050817 W 20140826

Abstract (en)
[origin: WO2015027335A1] An improved exhaust gas recirculation (EGR) system comprises combustion chambers divided into a first portion and a second portion. An intake valve and an exhaust valve are associated with each combustion chamber. An intake manifold is in fluid communication with the combustion chambers through respective intake valves. A first exhaust manifold is in fluid communication with said first portion of combustion chambers through respective exhaust valves. A second exhaust manifold is in fluid communication with said second portion of combustion chambers through respective exhaust valves. An EGR exhaust valve is associated with each combustion chamber in said second portion. An EGR manifold is in fluid communication with each combustion chamber in said second portion through respective EGR exhaust valves and with said at least one intake manifold.

IPC 8 full level
F02M 26/05 (2016.01); **F01N 13/10** (2010.01); **F02B 37/02** (2006.01); **F02D 21/08** (2006.01); **F02M 26/00** (2016.01); **F02M 26/09** (2016.01); **F02M 26/14** (2016.01); **F02M 26/23** (2016.01); **F02M 26/36** (2016.01); **F02M 26/43** (2016.01); **F02M 35/10** (2006.01); **F02B 29/04** (2006.01); **F02B 37/16** (2006.01); **F02B 37/18** (2006.01)

CPC (source: EP RU US)
F01N 13/107 (2013.01 - EP US); **F02B 37/00** (2013.01 - RU); **F02B 37/025** (2013.01 - EP US); **F02D 21/08** (2013.01 - RU); **F02M 26/05** (2016.02 - EP RU US); **F02M 26/09** (2016.02 - EP US); **F02M 26/14** (2016.02 - EP US); **F02M 26/23** (2016.02 - EP US); **F02M 26/36** (2016.02 - EP US); **F02M 26/43** (2016.02 - EP US); **F02M 35/10222** (2013.01 - EP US); **F02B 29/0406** (2013.01 - EP US); **F02B 37/16** (2013.01 - EP US); **F02B 37/18** (2013.01 - EP US); **F02M 26/06** (2013.01 - EP US); **F02M 26/41** (2016.02 - EP US); **Y02T 10/12** (2013.01 - EP US)

Citation (examination)
WO 9960259 A1 19991125 - SCANIA CV ABP [SE], et al

Cited by
CH717411A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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WO 2015027335 A1 20150305; CA 2922577 A1 20150305; CA 2922577 C 20230314; CN 105492752 A 20160413; CN 105492752 B 20190924; EP 3039279 A1 20160706; EP 3039279 A4 20170301; EP 3039279 B1 20200408; JP 2016534279 A 20161104; JP 6560675 B2 20190814; RU 2016107925 A 20171003; RU 2016107925 A3 20180622; RU 2665010 C2 20180824; US 10094339 B2 20181009; US 2016215736 A1 20160728

DOCDB simple family (application)
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